

connector receptacle **804** stops and/or such that the orientation feature is received or partially received within the key slot **834** before any of the plurality of contacts **822** mates with, engages with, and/or contacts any of the contacts of the connector insert **804**.

[0115] Although depicted as at an end of a piece of the driveline **26**, the connector insert **804** can be located at an end of the tether **301** containing, for example, one or several wires, one or several light guides, or the like. The tether **301** can comprise the driveline **26**, a cable connecting the extra power source **22** to the controller **20**, or the like. The connector insert **804** comprises a body **840** having sides **842**, also referred to as exterior sides **842**, and a front **844**. The body **840** of the connector insert **804** can be sealed, and specifically can be hermetically sealed and/or embodiments, the connector insert **804** can include insert contacts **846** which can be arranged in any desired layout and can, in some embodiments, be arranged in a circle or ring.

[0116] The connector insert **804** can include an orientation feature **848**, also referred to herein as a following surface **848** or following feature **848**, that can be configured to engage with the at least one mating feature **824** of the connector receptacle **802** to rotate the connector insert **804** to a desired alignment with respect to the connector receptacle **600** while the connector **804** is inserted into the connector receptacle **802**. In some embodiments, the following surface **848** can extend from the side **842** of the body **840** of the connector insert **804**, and in some embodiments, the following surface **848** can radially outwardly extend from the side **842** of the body **840** of the connector insert **804**.

[0117] The following surface **848** comprises a key **850** and/or a cylindrical member such as a circular cylindrical member **852**, such as a pin. In some embodiments, the circular cylindrical member **852** can be configured to engage with the cam surface **826**, and specifically can be configured to slide along and/or across the cam surface **826**, and the circular cylindrical member **852** and the key **850** can be configured to be received within the key slot **834** of the connector receptacle **802** when the connector insert **804** is at a desired alignment with respect to the connector receptacle **802** and when the connector insert **804** is fully received within the connector receptacle **802**. As seen in FIG. 13, in some embodiments, the following surface **848** can comprise a first following surface **848-A** and a second following surface **848-B**. In such an embodiment, the first following surface **848-A** can comprise a first key **850-A** and a first circular cylindrical member **852-B** and the second following surface **848-B** can comprise a second key **850-B** and a second circular cylindrical member **852-B**. In some embodiments, the first and second following surfaces **848-A**, **848-B** are located on opposite sides of the body **840** of the connector insert **804**.

[0118] The connector system **800** can comprise a locking member **860**. The locking member **860** can include a front **862**, a back **864**, and a body **866** extending from the front **862** to the back **864**. As depicted in FIGS. 11 through 13, the locking member **860** extends at least partially around the connector receptacle **802**, and specifically, the locking member **860** can include a channel **868** in which the connector receptacle **802** is at least partially received such that the body **866** of the locking member **860** extends around at least a portion of the connector receptacle **802**. In some embodi-

ments, the locking member **860** can be rotatable and/or can rotate about the connector receptacle **802**.

[0119] The locking member **860** can engage and/or selectively engage with all or portions of the connector insert **804** to retain coupling between the connector receptacle **802** and the connector insert **804**. In some embodiments, the locking member **860** selectively engages with a portion of the following surface **848**, and specifically with the circular cylindrical member **852** to retain at least a portion of the following surface **848** within the follower receptacle **834** and/or to retain coupling between the connector receptacle **802** and the connector insert **804**.

[0120] FIGS. 14 through 20 depict steps in a method of coupling the connector receptacle **802** and the connector insert **804**. FIG. 14, is a perspective view of the connector system **800** showing a first step for connecting the connector system **800**. As the connector insert **804** is inserted into the connector receptacle **802**, the following surface **848**, and specifically the circular cylindrical member **852** engages with the mating feature **824**, and specifically with the cam surface **826** of the connector receptacle **802**. As the connector insert **804** is advanced into the connector receptacle **802**, the engagement between the following surface **848** and the mating feature **824** reorients the connector insert **804** with respect to the connector receptacle **802** as shown in FIG. 15, a perspective view of the connector system **800** showing a second step for connecting the connector system **800**, and in FIG. 16, a perspective view of the connector system **800** showing a third step for connecting the connector system **800**.

[0121] FIGS. 17 through 20 shows steps in the method for connecting the connector insert **804** and the connector receptacle **802** in which the following surface **848** is inserted into and thus received in the follower receptacle **834**, and in which the following surface **848** begins to engage and interact with the locking member **860**. In some embodiments, the following surface **848** begins to enter the follower receptacle **834** after the connector insert **804** is reoriented to the second orientation with respect to the connector receptacle **802**. As shown in FIG. 17, a perspective view of the connector system **800** showing a fourth step for connecting the connector system **800**, the connector insert **804** has been reoriented from a first orientation with respect to the connector receptacle **802** to a second orientation with respect to the connector receptacle **802** in which the following surface **848** is aligned with the follower receptacle **834**. As further seen in FIG. 17, when the second orientation of the connector insert **804** with respect to the connector receptacle **802**, the connector insert **804** can be further advanced into the connector receptacle **802**, thereby advancing the following surface **848** into the follower receptacle **834**.

[0122] In some embodiments, the locking member **860** can comprise a blocking feature **870** configured to engage with at least a portion of the following surface **848**, and specifically engage with the circular cylindrical member **852**, to prevent retraction of the connector insert **804** from the connector receptacle **802**. The locking member **860** can further include a biasing feature **872** that can be configured to engage with at least a portion of the following surface **848** to bias the blocking feature **870** to engage with the at least a portion of the following surface **848** to thereby prevent the decoupling and/or disconnection of the connector insert **804** and the connector receptacle **802**. In some embodiments, the biasing feature **872** comprises a compliant member config-